

Attachment B: Early Coordination

Outgoing Early Coordination Letter

Responses from Resource Agencies:

Natural Resources Conservation Service

US Fish and Wildlife Service

Indiana Department of Natural Resources

Indiana Geological Survey

Monroe County Highway Department

Indiana Department of Environmental Management



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

100 North Senate Avenue
Room N642
Indianapolis, Indiana 46204-2216 (317) 232-5348 FAX: (317) 233-4929

Mitchell E. Daniels, Jr., Governor
Karl B. Browning, Commissioner

October 25, 2007

Chief, Environmental Resources
Attn: CEPMP-P-E
Louisville District
US Army Corps of Engineers
P.O. Box 59
Louisville, KY 40201-0059

RE: Des. No. 9902910, Rehabilitation of SR 45 from Pete Ellis Dr/Range Rd. to
Russell Rd in Bloomington, Monroe County, Indiana

Early Coordination for Federal Undertakings Environmental Agency Coordination

Dear Sir or Madam;

The Indiana Department of Transportation is collecting information about impacts to specific resources from the rehabilitation of SR 45 from the intersection with Pete Ellis Drive and Range Road to the intersection with Russell Road. SR 45 is also known as 10th Street within the City of Bloomington. The project is intended to improve safety and reduce future congestion on SR 45 by providing auxiliary turn lanes, passing blisters, and wider curb lanes to accommodate bicyclists.

This letter and the attachments describe the project, identify the project area, and describe known resources in the project area and anticipated impacts to those resources. Consulting parties under Section 106 of the National Historic Preservation Act will be invited through a separate letter.

Project Area

The project area is on the east side of Bloomington, from 0.36 mile to 1.32 mile east of SR 46.

Existing Conditions

SR 45 is a two-lane roadway through rolling terrain. Between Pete Ellis Drive and Woodbridge Drive, the north side of the roadway has a curb or shoulder and a sidewalk with a grass buffer of varying width. East of Woodbridge Drive, on the

south side, sidewalks and shoulders extend from Pete Ellis Drive to Grandview Drive. The south side has shallow side ditches between Grandview Drive and the eastern terminus at Russell Road. The roadway descends and curves sharply through the valley that contains two unnamed tributaries between Tamarron Place and Smith Road. There is a signal at Pete Ellis Drive/ Range Road and the rest of SR 45 is free-flowing.

Proposed Improvements and Additional Right of Way

Improvements will consist of auxiliary turn lanes and passing blisters at intersections and commercial driveways, and curb lanes in each direction for bicycle traffic. These improvements will include widening on both sides from just west of John Hinkle Place to Barrington Drive and completing connections between sidewalks on both sides of the roadway. The roadway will be lowered between Woodbridge Drive and just west of Smith Road to meet 40 mph design standards. Curb and sidewalk placed along the entire length. The widened pavement will be marked for the auxiliary lanes and passing blisters as needed.

From just east of Smith Road to just east of Russell Road, the pavement will be widened and new curb and sidewalk installed on the south side. The radius of the curve at Russell Road will be increased to meet current safety standards and the intersection realigned to the east to provide a more perpendicular approach. Drainage will be through storm sewers at Grandview Drive, from east of Grandview Drive to west of Smith Road, and between Smith Road and Russell Road.

A total of 1.3 acres of additional permanent right of way will be required for the project, from a total of 18 parcels. The additional right of way is approximately 30 feet wide on the north side of SR 45 between Woodbridge Drive and the valley and approximately 15 feet wide on the south side between Grandview Drive and east of Russell Road. No additional right of way is required at the intersection with Smith Road. Retaining walls on the north and south sides of SR 45 between Grandview and Indiana Creek will minimize the amount of additional right-of-way. No relocations will occur as a result of this project.

Resources

Land use in the area is residential and commercial. Two unnamed tributaries run across the east end of the project area between Grandview Drive and Smith Road.

A site visit on October 1, 2007 and a records search revealed the following resources of interest within the additional project area. Photographs of the project area are attached.

- Two unnamed tributaries cross the project area between Grandview Drive and Smith Road. The first unnamed tributary runs southeast to northwest under Smith Road and under SR 45. The second unnamed tributary runs south to north from the Grandview residential development and joins the creek at the north side of SR 45. Waters determinations are in progress on these tributaries.
- A six foot culvert carries the first unnamed tributary under Smith Road and under the gas station/commercial property. The stream is exposed for a few yards in existing INDOT right of way before entering two four-by-eight foot box culverts, which carry water under SR 45. No activities are currently planned that will affect this configuration.

which carry water under SR 45. No activities are currently planned that will affect this configuration.

- The National Wetlands Inventory shows two excavated wetlands (PUBGx) at the west end of the project area. At the site visit, these were found to be retaining ponds for apartment complexes on the north and south sides of SR 45 just east of Pete Ellis Drive. Work in this area will be resurfacing and minor widening and will not affect either of these ponds.
- A gas station and commercial property is located on the east side of the intersection of SR 45 and Smith Road. No right of way will be acquired from this property.

Response

Please draw upon your agency expertise to provide input and comments on any potential environmental impacts of this project. This information will aid INDOT in preparing the required environmental documentation for this project. Please provide your response to this request for information within 30 days. If no response is received from you within 30 days of the date of this letter, it will be assumed that your agency concurs with the attached documentation and that this project will have no noteworthy negative social, economic, or environmental effects on resources in the area. When your response is received it will be evaluated for inclusion in the environmental document.

Should you have any questions concerning this document or the attached information please contact Laura Hilden in my office at 317-232-5018 or lhilden@indot.in.gov.

Sincerely,



Ben Lawrence, P.E., Administrator
Environmental Policy Section
Office of Environmental Services

Attachments:

Aerial Photograph of Project Area
USGS Quadrangle of Project Area
Site Visit Photographs

United States Department of Agriculture



Natural Resources Conservation Service
6013 Lakeside Blvd.
Indianapolis, IN 46268

November 1, 2007

Ben T. Lawrence, PE, Administrator
Environmental Policy Section
Office of Environmental Services
Indiana Dept. of Transportation
100 North Senate Ave., Rm N642
Indianapolis, IN 46204-2228

Dear Mr. Lawrence:

The proposed project to rehabilitate SR 45 from the intersection with Pete Ellis Drive and Range Road to the intersection with Russell Road in the City of Bloomington, Monroe County, Indiana, as stated in your letter dated October 25, 2007, will not cause a conversion of prime farmland.

If you need additional information, please contact Lisa Bolton at 317-290-3200, extension 342.

Sincerely,

A handwritten signature in cursive script that reads "Jane E. Hardisty".

JANE E. HARDISTY
State Conservationist

Enclosures

Helping People Help the Land

An Equal Opportunity Provider and Employer

U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I (To be completed by Federal Agency)		Date Of Land Evaluation Request 10/25/07			
Name Of Project Rehab. of SR 45 from Pete Ellis/Range to Russell		Federal Agency Involved FHWA/INDOT			
Proposed Land Use State Road (Des. No. 9902910)		County And State Monroe County, Indiana			
PART II (To be completed by NRCS)		Date Request Received By NRCS 10-26-07			
Does the site contain prime, unique, statewide or local important farmland? (If no, the FPPA does not apply -- do not complete additional parts of this form).		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Acres Irrigated	Average Farm Size
Major Crop(s)	Farmable Land In Govt. Jurisdiction Acres: %	Amount Of Farmland As Defined in FPPA Acres: %			
Name Of Land Evaluation System Used	Name Of Local Site Assessment System	Date Land Evaluation Returned By NRCS 11-1-07			
PART III (To be completed by Federal Agency)		Alternative Site Rating			
		Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly		1.3			
B. Total Acres To Be Converted Indirectly		0.0			
C. Total Acres In Site		1.3	0.0	0.0	0.0
PART IV (To be completed by NRCS) Land Evaluation Information					
A. Total Acres Prime And Unique Farmland					
B. Total Acres Statewide And Local Important Farmland					
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted					
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value					
PART V (To be completed by NRCS) Land Evaluation Criterion					
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)		0	0	0	0
PART VI (To be completed by Federal Agency)					
Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b))	Maximum Points				
1. Area In Nonurban Use					
2. Perimeter In Nonurban Use					
3. Percent Of Site Being Farmed					
4. Protection Provided By State And Local Government					
5. Distance From Urban Builtup Area					
6. Distance To Urban Support Services					
7. Size Of Present Farm Unit Compared To Average					
8. Creation Of Nonfarmable Farmland					
9. Availability Of Farm Support Services					
10. On-Farm Investments					
11. Effects Of Conversion On Farm Support Services					
12. Compatibility With Existing Agricultural Use					
TOTAL SITE ASSESSMENT POINTS	160	0	0	0	0
PART VII (To be completed by Federal Agency)					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	0	0	0	0
TOTAL POINTS (Total of above 2 lines)	260	0	0	0	0
Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Reason For Selection:					

(See Instructions on reverse side)

This form was electronically produced by National Production Services Staff

Form AD-1006 (10-83)



United States Department of the Interior

Fish and Wildlife Service



Bloomington Field Office (ES)
620 South Walker Street
Bloomington, IN 47403-2121
Phone: (812) 334-4261 Fax: (812) 334-4273

November 23, 2007

Mr. Ben Lawrence
Environmental Assessment Section
Indiana Department of Transportation
100 North Senate Avenue, Room N808
Indiana Government Center North
Indianapolis, Indiana 46204-2249

Project No.: 9902910
Road(s): SR 45
Work Type: Road reconstruction
County(ies): Monroe

Dear Mr. Lawrence:

This responds to your letter dated October 25, 2007 requesting U.S. Fish and Wildlife Service (FWS) comments on the aforementioned project.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and are consistent with the intent of the National Environmental Policy Act of 1969, the Endangered Species Act of 1973, and the U. S. Fish and Wildlife Service's Mitigation Policy.

The project corridor is urban and does not have any significant wildlife resources, however it is within the karst region of Indiana. Karst feature surveys and protection measures should be incorporated into project design in accordance with our Memorandum of Understanding.

The unnamed tributaries noted in your letter flow to Griffy Creek and to the City of Bloomington's Griffy Lake Park and State Nature Preserve. Water quality problems are already occurring in this part of the watershed, so protection of water quality is especially important for this project.

Based on a review of the plans you provided, we recommend the following additional mitigation measures be included in the final project plans to minimize adverse impacts on fish and wildlife resources:

1. Restrict below low-water work in streams to installation of culverts and placement of riprap if necessary.
2. Restrict channel work and vegetation clearing to the minimum necessary for culvert installation.
3. Minimize the extent of artificial bank stabilization.
4. Implement temporary erosion and siltation control devices such as placement of riprap check dams in drainage ways and ditches, installation of silt fences, and covering exposed areas with erosion control matting or straw.
5. Revegetate all disturbed soil areas immediately upon project completion.

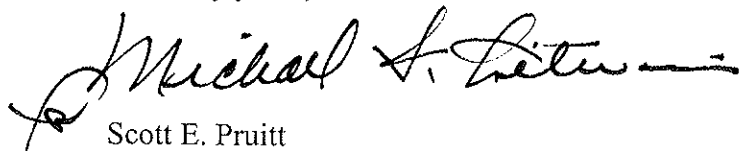
Endangered Species

The proposed project is within the range of the federally endangered Indiana bat (*Myotis sodalis*). While some foraging habitat may exist in the project area, we concur that the proposed project is not likely to adversely affect this listed species.

This precludes the need for further consultation on this project as required under Section 7 of the Endangered Species Act of 1973, as amended. However, should new information arise pertaining to project plans or a revised species list be published, it will be necessary for the Federal agency to reinitiate consultation.

We appreciate the opportunity to comment at this early stage of project planning. If project plans change such that fish and wildlife habitat may be affected, please recoordinate with our office as soon as possible. If you have any questions about our recommendations, please call Mike Litwin at (812) 334-4261 (Ext. 205).

Sincerely yours,

A handwritten signature in black ink, appearing to read "Michael S. Litwin", is written over the typed name "Scott E. Pruitt".

Scott E. Pruitt
Field Supervisor

cc: Federal Highway Administration, Indianapolis, IN
IDEM, Water Quality Standards Section, Indianapolis, IN
Christie Stanifer, Indiana Division of Fish and Wildlife, Indianapolis, IN

**State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Water**

Early Coordination/Environmental Assessment

DNR #: ER-13048 **Request Received:** October 26, 2007

Requestor: *Indiana Department of Transportation
Laura Hilden
100 North Senate Avenue
Room N642
Indianapolis, IN 46204-2216

Project: SR 45 (10th St) rehabilitation from Pete Ellis Drive/Range Road to Russell Road,
Bloomington; Des #9902910

County/Site info: Monroe

Regulatory Assessment: The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.
This proposal may require the formal approval of our agency pursuant to the Flood Control Act (IC 14-28-1) for any proposal to construct, excavate, or fill in or on the floodway of a stream or other flowing waterbody which has a drainage area greater than one square mile

Natural Heritage Database: The Natural Heritage Program's data have been checked.
To date, no plant or animal species listed as state or federally threatened, endangered, or rare have been reported to occur in the project vicinity.

Fish & Wildlife Comments: Fish, wildlife, and botanical resource losses as a result of this project can be minimized through implementation of the following measures.
Revegetate all bare and disturbed areas with a mixture of grasses (excluding all varieties of tall fescue), legumes, and native shrub and hardwood tree species as soon as possible upon completion.
Minimize and contain within the project limits inchannel disturbance and the clearing of trees and brush.
Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Fish and Wildlife.
Use minimum average 6 inch graded riprap stone extended below the normal water level to provide habitat for aquatic organisms in the voids.
Plant native hardwood trees along the top of the bank and right-of-way to replace the vegetation destroyed during construction.
Post "Do Not Mow or Spray" signs along the right-of-way.
Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.
Plant five trees, at least 2 inches in diameter-at-breast height, for each tree which is removed that is ten inches or greater in diameter-at-breast height.
Place the bottom of the downstream end of the culvert at the elevation of the channel bottom to allow upstream fish movement.
Seed and protect all disturbed streambanks and slopes that are 3:1 or steeper with erosion control blankets (follow manufacturer's recommendation for installation); seed and apply mulch on all other disturbed areas.

Project No. _____ Des. No. 9902910

Project Description rehabilitation of SR 45 from Pete Ellis Dr. to Russell Rd
Monroe County

Name of Organization requesting early coordination:

INDOT

QUESTIONNAIRE FOR THE INDIANA GEOLOGICAL SURVEY

- 1) Do unusual and/or problem () geographic, () geological, () geophysical, or () topographic features exist within the project limits? Describe:


NO

- 2) Have existing or potential mineral resources been identified in this area? Describe:

NO

- 3) Are there any active or abandoned mineral resources extraction sites located nearby? Describe: NO

This information was furnished by:

Name: Marni D. Karaffa  Title: Geologist
Address: 611 N Walnut Grove, Bloomington, IN 47405
Phone/Fax: (812) 855-1366 / (812) 855-2862
Email: mldickso@indiana.edu
Date: December 6, 2007



MONROE COUNTY HIGHWAY DEPARTMENT

COURTHOUSE, ROOM 323 • BLOOMINGTON, INDIANA • 47404

PHONE: (812) 349-2555 • FAX: (812) 349-2959

www.co.monroe.in.us

October 30, 2007

Ben Lawrence, P. E., Administrator
Indiana Department of Transportation
Environmental Policy Section
Office of Environmental Services
100 North Senate Avenue, Room N642
Indianapolis, Indiana 46204-2216

RE: Des. No. 9902910, Rehabilitation of State Road 45, from Pete Ellis Drive/Range Road to Russell Road in Bloomington, Monroe County, Indiana.

Dear Mr. Lawrence:

Please be advised that this office is in receipt of the Early Coordination letter, dated October 25, 2007, for the aforementioned project. On behalf of the Monroe County Board of Commissioners, we thank you for the opportunity to provide input on this improvement being proposed by the Indiana Department of Transportation.

Having reviewed the project limits, it appears the only County road impacted by this project is the intersection of Russell Road, near the eastern termini of this project. Traffic problems, no matter whose jurisdiction it falls within, impact all units of government. Therefore, find listed concerns by this office as it relates to entire corridor.

Proposed Improvements & Additional Right-of-Way

The proposed cross-section is not mentioned in the letter. It states auxiliary turn lanes and passing blisters will be provided at intersections and commercial driveways. The INDOT Long Range Plan states this segment, as well as the segment west of this project, are to be four lanes in width. We request a review of the existing traffic data / Levels of Service to assure that adequate capacity is being provided in this area for future traffic concerns. Furthermore, to what LOS is the new roadway being designed to? I have attached a copy of the INDOT LRP that states the proposed 4-lane cross-section as of May of this year. It is, however, mentioned in the TIP that it is to be up to a 3-lane configuration, included as well.

Also, signalization of the intersections of Smith Road and Russell Road with State Road 45 should be considered. I personally have had several requests for the Smith Road intersection signal, including one from a previous mayor. Given the approved development, as well as an elementary school that utilizes Russell Road, we request that the warrants for a signal be reviewed at this location.

Intersections, or public road approaches, are mentioned specifically in the letter and this is much appreciated. Proper consideration to the design should be adhered to as sometimes inadequate radii are constructed leaving turning movement problems that can lead to driver error and, possibly, crashes.

We are pleased to see that consideration is being given to other modes of transportation in this area. This road segment has many bicyclists that use it during the spring, summer and fall of every year. This community sponsors many events involving bicyclists such as the annual Little 500 and the Hilly Hundred. This roadway is used as well for biking to Lake Lemon and the Brown County area. Consideration for an off roadway path should be considered for safety purposes given the horizontal and vertical alignment in this area.

Resources

This project drains into Griffy Lake, owned by the City of Bloomington. Both of the unnamed tributaries mentioned in your letter are in this watershed. Protection of this drainage way of construction site run off should be held to a minimum. I am sure that the INDOT will provide erosion control measures that satisfy the local requirements as it relates to storm water runoff however, said plans should be submitted for review and comment in accordance with local ordinances.

Be advised that the Monroe County Board of Commissioners and the Highway Director / Engineer fully support the Indiana Department of Transportation in their efforts to improve this roadway segment. The roadway is very heavily traveled during non-peak traffic hours and is definitely under capacity. We feel the improvements will deter future accidents in the area thus making this vital link in our community a safer roadway to travel.

Thank you for this opportunity to provide input on this extremely important project. Please feel free to contact me at your convenience if you have any questions or comments on this matter.

Sincerely,



Bill Williams
Monroe County Highway Director / Engineer

Enclosures

Cc: Monroe County Board of Commissioners

2030 Long Range Transportation Plan Projects

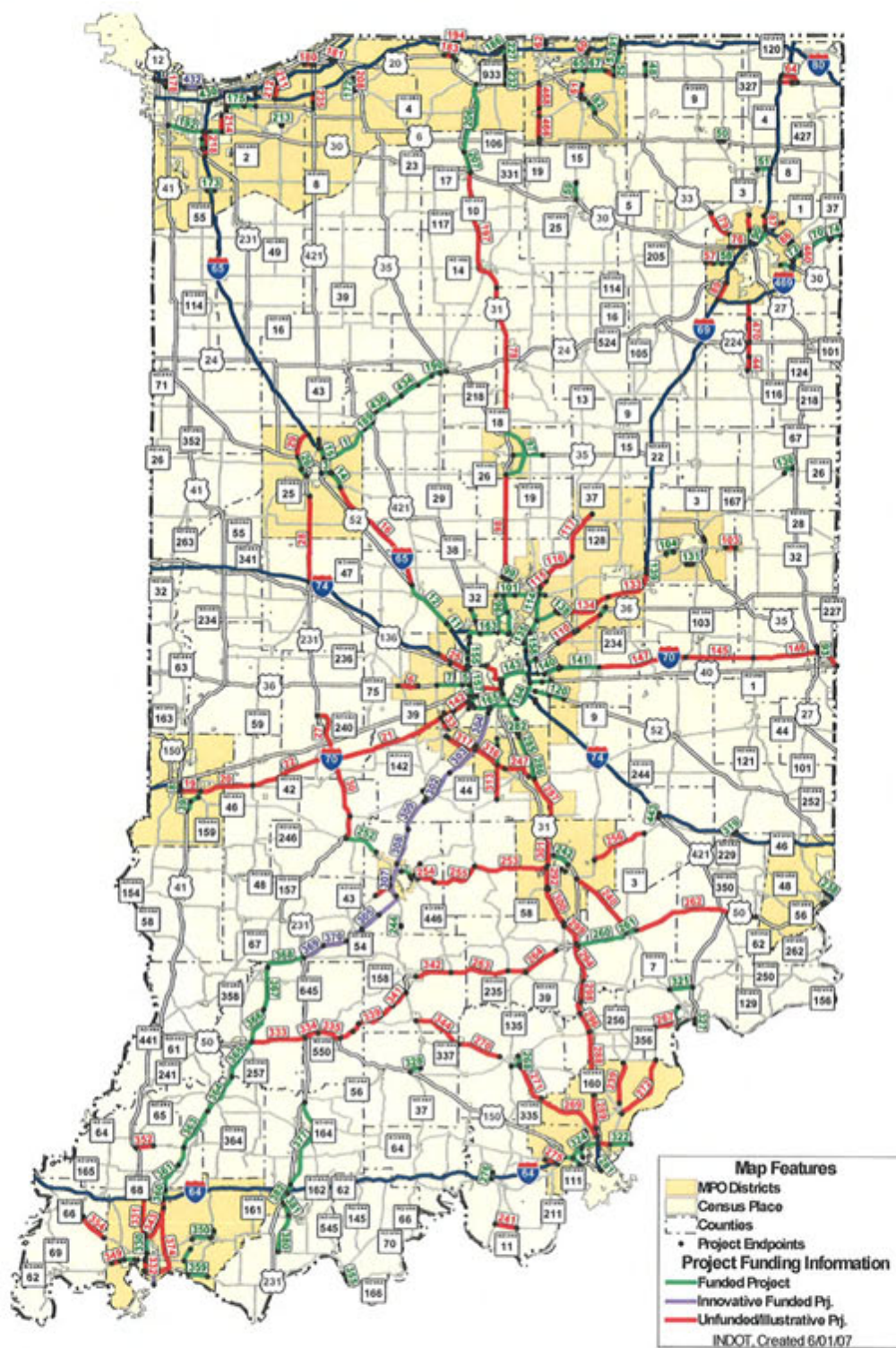


Figure 13-1

Seymour District

Funded Long Range Plan Projects

Route	County	Project Type	IES ID	Funding Years	Funding Period	Project Length	Begin/End Lanes	MPID
Project Location Description								
S 37	53	Interchange Modification At Monroe Dam Road	0401164	2011-2015	2	0 Miles	0 to 0 Lanes	244
S 39	55	Added Travel Lanes Morgan Street in Martinsville to SR 67	0600730	2011-2015	2	0 Miles	2 to 4 Lanes	245
U 421	39	New Bridge Construction US 421 over the Ohio River (Indiana share)	0501152	2011-2015	2	1 Miles	2 to 4 Lanes	327
S 45	53	Added Travel Lanes 0.1 miles east of Pete Ellis Dr to Russell Rd	9902910	2011-2015	2	0.88 Miles	2 to 4 Lanes	251
U 50	40	Added Travel Lanes US 31 to the western UAB of North Vernon (RP 115+63)	0401401	2011-2015	2	9.03 Miles	2 to 4 Lanes	260
U 50	40	Added Travel Lanes Western UAB of North Vernon to eastern UAB of North Vernon	0401402	2011-2015	2	3.9 Miles	2 to 4 Lanes	261
I 64	22	Added Travel Lanes I-265 to SR 111	0500307	2011-2015	2	1.98 Miles	5 to 6 Lanes	277
I 64	31	New Interchange Construction Placeholder for New Interchange W of SR 135	0401394	2011-2015	2	0.5 Miles	0 to 0 Lanes	276
I 65	10	New Bridge Construction New Ohio River Bridge including approaches from L&I RR to Kentucky(Indiana share)	0201294	2011-2015	2	1.65 Miles	7 to 12 Lanes	281
I 65	10	Added Travel Lanes From 0.5 mi north of Memphis Rd to 0.5 mi north of SR 160	0300888	2011-2015	2	3.55 Miles	4 to 6 Lanes	293

Transportation Improvement Program

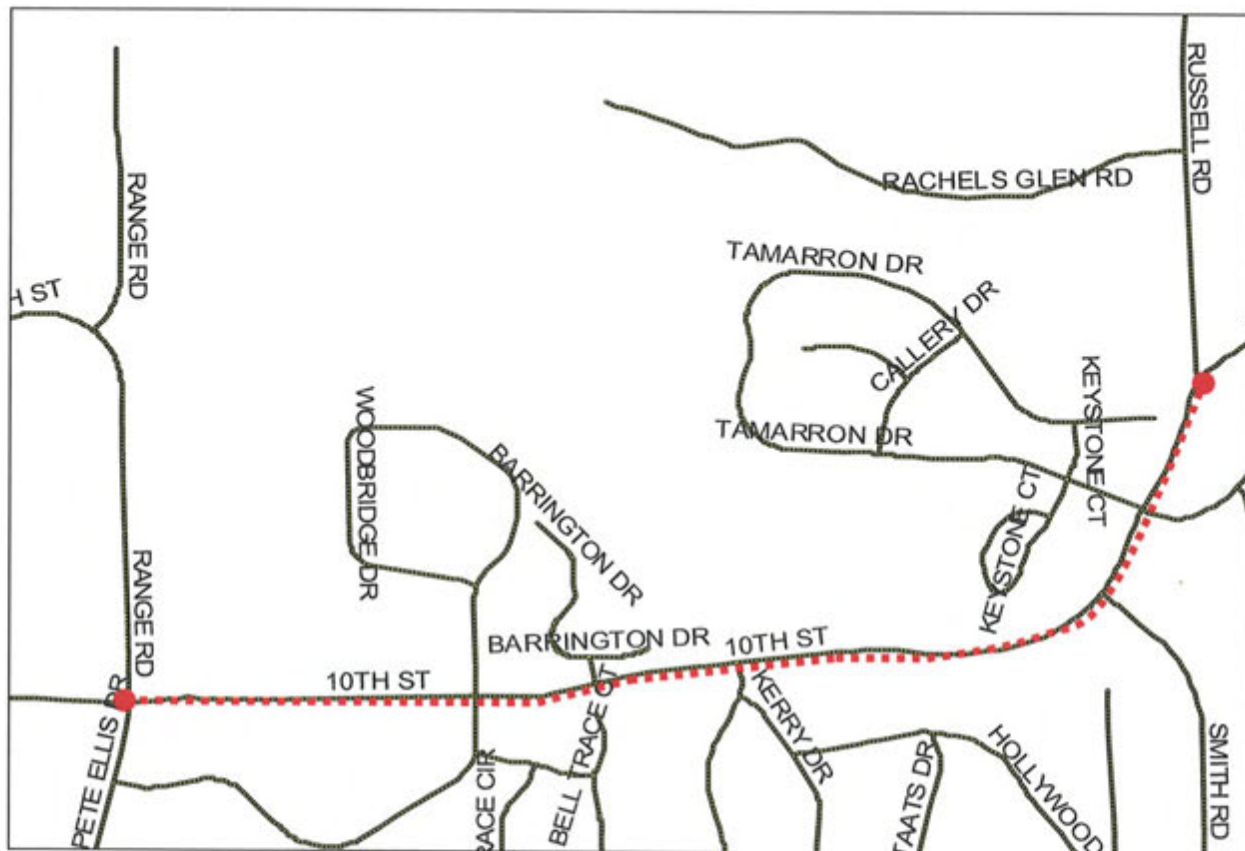
Fiscal Years 2008 through 2011

Adopted
June 8, 2007



Programmed Projects: State of Indiana

State of Indiana Projects		Funding Source	Fiscal Year			
			2008	2009	2010	2011
Project: State Road 45						
Location: Pete Ellis Drive to Russell Road	PE					
Description: Road reconstruction, widening up to 3 lanes with intersection improvements, signals as warranted, sidewalk/sidepaths, concrete curb & gutter, drainage and landscaping. (~.88 miles long)	ROW					
DES#: 9902910	CON	STP				\$ 3,994,482
Support: Safety		State				\$ 998,620
Allied Projects: State Road 45/46 Bypass	TOTAL		\$ -	\$ -	\$ -	\$ 4,993,102





Indiana Department of Environmental Management

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

100 North Senate Avenue
Indianapolis, Indiana 46206

Thomas W. Easterly
Commissioner

(317) 232-8603
800) 451-6027
www.IN.gov/idem

Indiana Department of Transportation

, IN

Indiana Department of Transportation
Ben Lawrence
100 N. Senate Ave. Rm 642
Indianapolis, IN 46204

Wednesday, October 24, 2007

To Engineers and Consultants Proposing Roadway Construction Projects:

RE: Reconstruction of SR ⁴⁵24 from Range Rd. to Russell Rd. in Bloomington, Monroe County (Des 9904910) Improvements will consist of auxiliary turn lanes and passing blisters at intersections and commercial driveways, and curb lanes in each direction for bicycle traffic. These improvements will include widening on both sides from just west of John Hinkle Place to Barrington Drive and completing connections between sidewalks on both sides of the roadway. The roadway will be lowered between Woodbridge Drive and just west of Smith Road to meet 40 mph design standards. Curb and sidewalk placed along the entire length. The widened pavement will be marked for the auxiliary lanes and passing blisters as needed. From just east of Smith Road to just east of Russell Road, the pavement will be widened and new curb and sidewalk installed on the south side. The radius of the curve at Russell Road will be increased to meet current safety standards and the intersection realigned to the east to provide a more perpendicular approach. Drainage will be through storm sewers at Grandview Drive, from east of Grandview Drive to west of Smith Road, and between Smith Road and Russell Road. A total of 1.3 acres of additional permanent right of way will be required for the project, from a total of 18 parcels. The additional right of way is approximately 30 feet wide on the north side of SR 45 between Woodbridge Drive and the valley and approximately 15 feet wide on the south side between Grandview Drive and east of Russell Road. No additional right of way is required at the intersection with Smith Road. Retaining walls on the north and south sides of SR 45 between Grandview and Indiana Creek will minimize the amount of additional right-of-way. No relocations will occur as a result of this project.

This letter from the Indiana Department of Environmental Management (IDEM) serves as a standardized response to enquiries inviting IDEM comments on roadway construction, reconstruction, or other improvement projects within existing roadway corridors when the proposed scope of the project is beneath the threshold requiring a formal National Environmental Policy Act-mandated Environmental Assessment or Environmental Impact Statement. As the letter attempts to address all roadway-related environmental topics of potential concern, it is possible that not every topic addressed in the letter will be applicable to your particular roadway project.

For additional information on specific roadway-related topics of interest, please visit the appropriate Web pages cited below, many of which provide contact information for persons within the various program areas who can answer questions not fully addressed in this letter. Also please be mindful that some environmental requirements may be subject to change and so each person intending to include a copy of this letter in their project documentation packet is advised to download the most recently revised version of the letter; found at: http://www.idem.IN.gov/enviroreview/hwy_earlyenviroreview.html.

To ensure that all environmentally-related issues are adequately addressed, IDEM recommends that you read this letter in its entirety, and consider each of the following issues as you move forward with the planning of your proposed roadway construction, reconstruction, or improvement project:

WATER AND BIOTIC QUALITY

1. Section 404 of the Clean Water Act requires that you obtain a permit from the U.S. Army Corps of Engineers (USACE) before discharging dredged or fill materials into any wetlands or other waters, such as rivers, lakes, streams, and ditches. Other activities regulated include the relocation, channelization, widening, or other such alteration of a stream, and the mechanical clearing (use of heavy construction equipment) of wetlands. Thus, as a project owner or sponsor, it is your responsibility to ensure that no wetlands are disturbed without the proper permit. Although you may initially refer to the U.S. Fish and Wildlife Service National Wetland Inventory maps as a means of identifying potential areas of concern, please be mindful that those maps do not depict jurisdictional wetlands regulated by the USACE or the Department of Environmental Management. A valid jurisdictional wetlands determination can only be made by the USACE, using the 1987 Wetland Delineation Manual.

USACE recommends that you have a consultant check to determine whether your project will abut, or lie within, a wetland area. To view a list of consultants that have requested to be included on a list posted by the USACE on their Web site, see USACE Permits and Public Notices (<http://www.lrl.usace.army.mil/orf/default.asp>) and then click on "Information" from the menu on the right-hand side of that page. Their "Consultant List" is the fourth entry down on the "Information" page. Please note that the USACE posts all consultants that request to appear on the list, and that inclusion of any particular consultant on the list does not represent an endorsement of that consultant by the USACE, or by IDEM.

Much of northern Indiana (Newton, Lake, Porter, LaPorte, St. Joseph, Elkhart, LaGrange, Steuben, and Dekalb counties; large portions of Jasper, Starke, Marshall, Noble, Allen, and Adams counties; and lesser portions of Benton, White, Pulaski, Kosciusko, and Wells counties) is served by the USACE District Office in Detroit (313-226-6812). The central and southern portions of the state (large portions of Benton, White, Pulaski, Kosciusko, and Wells counties; smaller portions of Jasper, Starke, Marshall, Noble, Allen, and Adams counties; and all other Indiana counties located in north-central, central, and southern Indiana) are served by the USACE Louisville District Office (502-315-6733).

Additional information on contacting these U.S. Army Corps of Engineers (USACE) District Offices, government agencies with jurisdiction over wetlands, and other water quality issues, can be found at <http://www.in.gov/idem/programs/water/401/reglinks.html>. IDEM recommends that impacts to wetlands and other water resources be avoided to the fullest extent.

2. In the event a Section 404 wetlands permit is required from the USACE, you also must obtain a Section 401 Water Quality Certification from the IDEM Office of Water Quality Wetlands Program. To learn more about the Wetlands Program, visit: <http://www.in.gov/idem/programs/water/401/overview.html>.
3. If the USACE determines that a wetland or other water body is isolated and not subject to Clean Water Act regulation, it is still regulated by the state of Indiana. A State Isolated Wetland permit from IDEM's Office of Water Quality (OWQ) is required for any activity that results in the discharge of dredged or fill materials into isolated wetlands. To learn more about isolated wetlands, visit: <http://www.in.gov/idem/programs/water/401/isowetlands.html>. You also may contact the OWQ Wetlands Program at 317-233-8488.
4. If your project will involve over a 0.5 acre of wetland impact, stream relocation, or other large-scale alterations to water bodies such as the creation of a dam or a water diversion, you should seek additional input from the OWQ Wetlands Program staff. Consult the Web at: www.in.gov/idem/programs/water/401/staff.html for the appropriate staff contact to further discuss your project.
5. Work within the one-hundred year floodway of a given water body is regulated by the Department of Natural Resources, Division of Water. The Division issues permits for activities regulated under the follow statutes:
 - o IC 14-26-2 Lakes Preservation Act 312 IAC 11
 - o IC 14-26-5 Lowering of Ten Acre Lakes Act No related code
 - o IC 14-28-1 Flood Control Act 310 IAC 6-1
 - o IC 14-29-1 Navigable Waterways Act 312 IAC 6
 - o IC 14-29-3 Sand and Gravel Permits Act 312 IAC 6
 - o IC 14-29-4 Construction of Channels Act No related code

For Internet links to these Indiana (statutory) Code and Indiana Administrative Code citations, see the table "DNR Statutes Addressing Dredging and Fill Placement" on the IDEM Web site at: <http://www.in.gov/permits/guide/water/dredgingpermits.html#overviewdredg>. Contact the DNR Division of Water at 317-232-4160 for further information.

The physical disturbance of the stream and riparian vegetation, especially large trees overhanging any affected water bodies should be limited to only that which is absolutely necessary to complete the project. The shade provided by the large overhanging trees helps maintain proper stream temperatures and dissolved oxygen for aquatic life.

6. For projects involving construction activity (which includes clearing, grading, excavation and other land disturbing activities) that

result in the disturbance of one (1), or more, acres of total land area, contact the Office of Water Quality – Watershed Planning Branch (317/233-1864) regarding the need for of a Rule 5 Storm Water Runoff Permit. Visit the following Web page

- <http://www.in.gov/idem/permits/water/wastewater/wetwthr/storm/rule5.html>

To obtain, and operate under, a Rule 5 permit you will first need to develop a Construction Plan (<http://www.in.gov/idem/permits/water/wastewater/wetwthr/storm/rule5defs.html#constreg>), and as described in 327 IAC 15-5-6.5 (<http://www.in.gov/legislative/iac/T03270/A00150> [PDF], pages 16 through 19). Before you may apply for a Rule 5 Permit, or begin construction, you must submit your Construction Plan to your county Soil and Water Conservation District (SWCD) (<http://www.in.gov/isda/soil/contacts/map.html>).

Upon receipt of the construction plan, personnel of the SWCD or the Indiana Department of Environmental Management will review the plan to determine if it meets the requirements of 327 IAC 15-5. Plans that are deemed deficient will require re-submittal. If the plan is sufficient you will be notified and instructed to submit the verification to IDEM as part of the Rule 5 Notice of Intent (NOI) submittal. Once construction begins, staff of the SWCD or Indiana Department of Environmental Management will perform inspections of activities at the site for compliance with the regulation.

Please be mindful that approximately 149 Municipal Separate Storm Sewer System (MS4) areas are now being established by various local governmental entities throughout the state as part of the implementation of Phase II federal storm water requirements. All of these MS4 areas will eventually take responsibility for Construction Plan review, inspection, and enforcement. As these MS4 areas obtain program approval from IDEM, they will be added to a list of MS4 areas posted on the IDEM Website at: <http://www.in.gov/idem/permits/water/wastewater/wetwthr/storm/rule13.html>.

If your project is located in an IDEM-approved MS4 area, please contact the local MS4 program about meeting their storm water requirements. Once the MS4 approves the plan, the NOI can be submitted to IDEM.

Regardless of the size of your project, or which agency you work with to meet storm water requirements, IDEM recommends that appropriate structures and techniques be utilized both during the construction phase, and after completion of the project, to minimize the impacts associated with storm water runoff. The use of appropriate planning and site development and appropriate storm water quality measures are recommended to prevent soil from leaving the construction site during active land disturbance and for post construction water quality concerns. Information and assistance regarding storm water related to construction activities are available from the Soil and Water Conservation District (SWCD) offices in each county or from IDEM.

7. For projects involving impacts to fish and botanical resources, contact the Department of Natural Resources - Division of Fish and Wildlife (317/232-4080) for addition project input.
8. For projects involving water main construction, water main extensions, and new public water supplies, contact the Office of Water Quality - Drinking Water Branch (317-308-3299) regarding the need for permits. (<http://www.in.gov/idem/permits/guide/water/drinkingwater.html>)
9. For projects involving effluent discharges to waters of the State of Indiana , contact the Office of Water Quality - Permits Branch (317-233-0468) regarding the need for a National Pollutant Discharge Elimination System (NPDES) permit.
10. For projects involving the construction of wastewater facilities and sewer lines, contact the Office of Water Quality - Permits Branch (317-232-8675) regarding the need for permits. (<http://www.in.gov/idem/permits/guide/water/wwconstructionpermits.html>)

AIR QUALITY

The above-noted project should be designed to minimize any impact on ambient air quality in, or near, the project area. The project must comply with all federal and state air pollution regulations. Consideration should be given to the following:

1. Regarding open burning, and disposing of organic debris generated by land clearing activities; some types of open burning are allowed (www.in.gov/idem/permits/guide/air/openburning.html#maintenance) under specific conditions (www.in.gov/idem/permits/guide/air/air/openburning.html#conditionsallowed). You also can seek an open burning variance from IDEM. See: www.in.gov/idem/permits/guide/air/openburning.html#variances.

However, IDEM generally recommends that you take vegetative wastes to a registered yard waste composting facility or that the waste be chipped or shredded with composting on site (you must register with IDEM if more than 2,000 pounds is to be composted; contact 317/232-0066). The finished compost can then be used as a mulch or soil amendment. You also may bury any vegetative wastes (such as leaves, twigs, branches, limbs, tree trunks and stumps) onsite, although burying large quantities of such material can lead to subsidence problems, later on.

Reasonable precautions must be taken to minimize fugitive dust emissions from construction and demolition activities. For example, wetting the area with water, constructing wind barriers, or treating dusty areas with chemical stabilizers (such as calcium chloride or several other commercial products). Dirt tracked onto paved roads from unpaved areas should be minimized. See: www.in.gov/idem/permits/guide/air/fugitivedust.html.

Additionally, if construction or demolition is conducted in a wooded area where blackbirds have roosted or abandoned buildings or

building sections in which pigeons or bats have roosted for 3-5 years precautionary measures should be taken to avoid an outbreak of histoplasmosis. This disease is caused by the fungus *Histoplasma capsulatum*, which stems from bird or bat droppings that have accumulated in one area for 3-5 years. The spores from this fungus become airborne when the area is disturbed and can cause infections over an entire community downwind of the site. The area should be wetted down prior to cleanup or demolition of the project site. For more detailed information on histoplasmosis prevention and control, please contact the Acute Disease Control Division of the Indiana State Department of Health at (317) 233-7272.

2. The U.S. EPA and the Surgeon General recommend that people not have long-term exposure to radon at levels above 4 pCi/L. (For a county-by-county map of predicted radon levels in Indiana, visit: http://www.in.gov/idem/your_environment/radon/health.html.)

The U.S. EPA further recommends that all homes (and apartments within three stories of ground level) be tested for radon. If in-home radon levels are determined to be 4 pCi/L, or higher, EPA recommends a follow-up test. If the second test confirms that radon levels are 4 pCi/L, or higher, EPA recommends the installation of radon-reduction measures. (For a list of qualified radon testers and radon mitigation (or reduction) specialists visit:

http://www.in.gov/isdh/regsvcs/radhealth/pdfs/radon_testers_mitigators_list.pdf.) It also is recommended that radon reduction measures be built into all new homes, particularly in areas like Indiana that have moderate to high predicted radon levels.

To learn more about radon, radon risks, and ways to reduce exposure visit: <http://www.in.gov/isdh/regsvcs/radhealth/radon.htm>, http://www.in.gov/idem/your_environment/radon/, or <http://www.epa.gov/radon/index.html>.

3. With respect to asbestos removal: all facilities slated for renovation or demolition (except residential buildings that have (4) four or fewer dwelling units and which will not be used for commercial purposes) must be inspected by an Indiana-licensed asbestos inspector prior to the commencement of any renovation or demolition activities. If regulated asbestos-containing material (RACM) that may become airborne is found, any subsequent demolition, renovation, or asbestos removal activities must be performed in accordance with the proper notification and emission control requirements.

If no asbestos is found where a renovation activity will occur, or if the renovation involves removal of less than 260 linear feet of RACM off of pipes, less than 160 square feet of RACM off of other facility components, or less than 35 cubic feet of RACM off of all facility components, the owner or operator of the project does not need to notify IDEM before beginning the renovation activity.

For questions on asbestos demolition and renovation activities, you can also call IDEM's Lead/Asbestos section at 1-888-574-8150.

However, in all cases where a demolition activity will occur (even if no asbestos is found), the owner or operator must still notify IDEM 10 working days prior to the demolition, using the form found at <http://www.in.gov/icpr/webfile/formsdiv/44593.pdf>.

Anyone submitting a renovation/demolition notification form will be billed a notification fee based upon the amount of friable asbestos containing material to be removed or demolished. Projects that involve the removal of more than 2,600 linear feet of friable asbestos containing materials on pipes, or 1,600 square feet or 400 cubic feet of friable asbestos containing material on other facility components, will be billed a fee of \$150 per project; projects below these amounts will be billed a fee of \$50 per project. All notification remitters will be billed on a quarterly basis.

For more information about IDEM policy regarding asbestos removal and disposal, visit: www.in.gov/idem/guides/permit/waste/asbestosremoval.html.

4. With respect to lead-based paint removal: IDEM encourages all efforts to minimize human exposure to lead-based paint chips and dust. IDEM is particularly concerned that young children exposed to lead can suffer from learning disabilities. Although lead-based paint abatement efforts are not mandatory, any abatement that is conducted within housing built before January 1, 1978, or a child-occupied facility is required to comply with all lead-based paint work practice standards, licensing and notification requirements. For more information about lead-based paint removal visit: <http://www.in.gov/idem/guides/permit/waste/leadabatement.html>.
5. Ensure that asphalt paving plants are permitted and operate properly. The use of cutback asphalt, or asphalt emulsion containing more than seven percent (7%) oil distillate, is prohibited during the months April through October. See 326 IAC 8-5-2, Asphalt Paving Rule (<http://www.ai.org/legislative/iac/T03260/A00080.PDF>).
6. If your project involves the construction of a new source of air emissions or the modification of an existing source of air emissions or air pollution control equipment, it will need to be reviewed by the IDEM Office of Air Quality (OAQ). A registration or permit may be required under 326 IAC 2 (View at: www.ai.org/legislative/iac/t03260/a00020.pdf.) New sources that use or emit hazardous air pollutants may be subject to Section 112 of the Clean Air Act and corresponding state air regulations governing hazardous air pollutants.
7. For more information on air permits visit: www.in.gov/idem/permits/guide/air/index.html, or to initiate the IDEM air permitting process, please contact the Office of Air Quality Permit Reviewer of the Day at (317) 233-0178 or OAMPROD atdem.state.in.us.

LAND QUALITY

In order to maintain compliance with all applicable laws regarding contamination and/or proper waste disposal, IDEM recommends that:

additional permanent right of way will be required for the project, from a total of 18 parcels. The additional right of way is approximately 30 feet wide on the north side of SR 45 between Woodbridge Drive and the valley and approximately 15 feet wide on the south side between Grandview Drive and east of Russell Road. No additional right of way is required at the intersection with Smith Road. Retaining walls on the north and south sides of SR 45 between Grandview and Indiana Creek will minimize the amount of additional right-of-way. No relocations will occur as a result of this project.

With my signature, I do hereby affirm that I have read the letter from the Indiana Department of Environment that appears directly above. In addition, I understand that in order to complete that project in which I am interested, with a minimum of impact to the environment, I must consider all the issues addressed in the aforementioned letter, and further, that I must obtain any required permits.

Date: 10-24-07

Signature of the INDOT
Project Engineer or Other Responsible Agent



Date: _____

Signature of the
For Hire Consultant

Ben Lawrence

Representing the Company: Indiana Department of Transportation

1. If the site is found to contain any areas used to dispose of solid or hazardous waste, you need to contact the Office of Land Quality (OLQ) at 317-308-3103.
2. All solid wastes generated by the project, or removed from the project site, need to be taken to a properly permitted solid waste processing or disposal facility. For more information, visit <http://www.in.gov/idem/permits/guide/waste/index.html>.
3. If any contaminated soils are discovered during this project, they may be subject to disposal as hazardous waste. Please contact the OLQ at 317-308-3103 to obtain information on proper disposal procedures.
4. If PCBs are found at this site, please contact the Industrial Waste Section of OLQ at 317-308-3103 for information regarding management of any PCB wastes from this site.
5. If there are any asbestos disposal issues related to this site, please contact the Industrial Waste Section of OLQ at 317-308-3103 for information regarding the management of asbestos wastes (Asbestos removal is addressed above, under Air Quality).
6. If the project involves the installation or removal of an underground storage tank, or involves contamination from an underground storage tank, you must contact the IDEM Underground Storage Tank program at 317/308-3039. See: <http://www.in.gov/idem/permits/guide/waste/ust.html>.

FINAL REMARKS

Should you need to obtain any environmental permits in association with this proposed project, please be mindful that IC 13-15-8 requires that you notify all adjoining property owners and/or occupants within ten days your submittal of each permit application. However, if you are seeking multiple permits, you can still meet the notification requirement with a single notice if all required permit applications are submitted with the same ten day period. For additional information and forms: www.in.gov/idem/permits/guide/landdevelopment/notification.html.

Should the scope of the proposed project be expanded to the extent that a National Environmental Policy Act Environmental Assessment (EA) or Environmental Impact Statement (EIS) is required, IDEM will actively participate in any early interagency coordination review of the project.

Meanwhile, please note that this letter does not constitute a permit, license, endorsement or any other form of approval on the part of the Indiana Department of Environmental Management regarding any project for which a copy of this letter is used. Also note that it is the responsibility of the project engineer or consultant using this letter to ensure that the most current draft of this document, which is located at http://www.idem.IN.gov/enviroreview/hwy_earlyenviroreview.html, is used.

Sincerely,



Thomas W. Easterly
Commissioner

Signature(s) of the Applicant

I acknowledge that the following proposed roadway project will be financed in part, or in whole, by public monies.

Project Description

Reconstruction of SR 24 from Range Rd. to Russell Rd. in Bloomington, Monroe County (Des 9904910) Improvements will consist of auxiliary turn lanes and passing blisters at intersections and commercial driveways, and curb lanes in each direction for bicycle traffic. These improvements will include widening on both sides from just west of John Hinkle Place to Barrington Drive and completing connections between sidewalks on both sides of the roadway. The roadway will be lowered between Woodbridge Drive and just west of Smith Road to meet 40 mph design standards. Curb and sidewalk placed along the entire length. The widened pavement will be marked for the auxiliary lanes and passing blisters as needed. From just east of Smith Road to just east of Russell Road, the pavement will be widened and new curb and sidewalk installed on the south side. The radius of the curve at Russell Road will be increased to meet current safety standards and the intersection realigned to the east to provide a more perpendicular approach. Drainage will be through storm sewers at Grandview Drive, from east of Grandview Drive to west of Smith Road, and between Smith Road and Russell Road. A total of 1.3 acres of



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

March 13, 2008

Ms. Laura Hilden
Office of Environmental Services
Indiana Department of Transportation
Room N642, 100 North Senate Avenue
Indianapolis, Indiana 46204-2217

RE: Wellhead Protection Area Proximity Determination
State Route 45/10th Street in Bloomington from
Range Road/Pete Ellis Drive to Russell Road
Monroe County, Indiana 47408

Upon review of the above referenced site, it has been determined that the site **is not** located within a Wellhead Protection Area.

This information is accurate to the best of our knowledge. However, there are in some cases, a few factors that could impact the accuracy of this determination. For example, some Wellhead Protection Area Delineations have not been submitted or may not have been approved by this office. In these cases, we use a 3,000 foot fixed radius buffer to make the proximity determination. To find the status of a Public Water Supply System's Wellhead Protection Area Delineation, please visit our tracking database at http://www.in.gov/serv/idem_groundwater.

If you have any additional questions, please feel free to contact me at the address above or at (317) 308-3388.

Sincerely,

Adam B. Watts
Ground Water Section
Drinking Water Branch
Office of Water Quality

AW/abw